What is claimed is:

A communication system comprising:

a quality determining unit which determines
a QoS (quality of service);

a gateway which transfers an IP datagram at 5 said QoS; and

a user fee determining unit which determines a user fee for said IP datagram based on said QoS.

- 2. The communication system according to claim

 1, wherein said gateway transfers a group of IP

 datagrams including said IP datagram, and said

 QoS includes a priority for said IP datagram in

 the transfer of said group of IP datagrams.
 - 3. The communication system according to claim

 1, wherein said QoS includes a maximum allowable

 difference from a predetermined delay time for

 transferring said IP datagram.
 - 4. The communication system according to claim

 1, wherein said gateway includes a buffer

 transiently storing said IP datagram, and said

 OoS includes a size of said buffer.
 - 5. The communication system according to claim

- wherein said QoS includes provision of a firewall service.
- 6. The communication system according to claim
 1, wherein said QoS includes provision of a VTN
 (Virtual Personal Network) service.
- 7. The communication system according to claim 1, wherein said gateway is provided with an API (Application Interface) for accessing said quality determining unit to set said QoS.
- 8. The communication system according to claim 1, wherein said gateway detects a protocol used for the transfer of said IP datagram, and said quality determining unit determines said QoS based on said protocol.
- 9. The communication system according to claim 8, wherein said quality determining unit includes a first table indicative of a correspondence between said protocol and said QoS, and determines said QoS referring to said first table.
- 10. The communication system according to claim 8, wherein said quality determining unit determines said QoS based on a ToS (Type of

Service) of said IP datagram.

- 11. The communication system according to claim 10, wherein said quality determining unit includes a second table indicative of a correspondence among said protocol, said ToS and said QoS, and determines said QoS referring to said second table.
- 12. The communication system according to claim 8, wherein said IP datagram includes an IP address of a user communicating said IP datagram, and said quality determining unit determines said 5 QoS based on said IP address.
 - 13. The communication system according to claim 12, wherein said quality determining unit includes a third table indicative of a correspondence among said protocol, said IP address and said QoS, and determines said QoS referring to said third table.
 - 14. A communication system comprising:
 - a gateway which transfers an IP datagram, wherein said gateway detects a protocol used for the transfer of said IP datagram; and
- 5 a quality determining unit which determines

a QoS (quality of service) based on said protocol, wherein said gateway transfers said IP datagram at said QoS.

- 15. The communication system according to claim
 14, wherein said gateway transfers a group of IP
 datagrams including said IP datagram, and said
 QoS includes a priority for said IP datagram in
 the transfer of said group of IP datagrams.
- 16. The communication system according to claim 14, wherein said QoS includes a maximum allowable difference from a predetermined delay time for transferring said IP datagram.
- 17. The communication system according to claim
 14, wherein said gateway includes a buffer
 transiently storing said IP datagram, and said
 QoS includes a size of said buffer.
- 18. The communication system according to claim 14, wherein said gateway is provided with an API (Application Interface) for accessing said quality determining unit to set said QoS.
- 19. The communication system according to claim14, wherein said quality determining unit

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determines said QoS based on a ToS (Type of Service) of said IP datagram.

- 20. The communication system according to claim 14, wherein said IP datagram includes an IP address of a user communicating said IP datagram, and said quality determining unit determines said QoS based on said IP address.
 - 21. The communication system according to claim 20, wherein said QoS includes provision of a firewall service.
 - 22. The communication system according to claim 20, wherein said QoS includes provision of a VTN (Virtual Personal Network) service.
 - 23. A communication system comprising:
 - a gateway which transfers an IP datagram, wherein said gateway detects a protocol used for the transfer of said IP datagram; and
- a user fee determining unit which determines a user fee for said IP datagram based on said QoS.
 - 24. The communication system according to claim23, wherein said user fee determining unit

determines said user fee based on a ToS of said IP datagram.

25. A communication method comprising: determining a QoS;

transferring an IP datagram at said QoS by a communication system; and

- 5 determining a user fee for use of said communication system based on said QoS.
 - 26. A communication method comprising: receiving an IP datagram; detecting a protocol used for transmitting
- 5 determining a QoS; and transferring said IP datagram at said QoS.
 - 27. A communication method comprising:
 transferring an IP datagram by a
 communication system;

said IP datagram;

detecting a protocol used for transmitting
5 said IP datagram;

determining a user fee for use of said communication system based on said protocol.